

Old Landfill Regulation, Investigation and Tracking

Environmental Protection Commission of Hillsborough County

Hillsborough County, Florida



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Identification of Old Landfills

Inventories

- City of Tampa Inventory
 - Initiated in early 1980s.
 - Identified and listed sites historically owned, operated, or utilized by the City of Tampa.
 - Historic City records used as informational sources in order to identify sites.
 - Completed in November 1984.
 - Forty-nine (49) sites identified.
- Hillsborough County Inventory
 - Completed in 1984.
 - Identified and listed sites historically owned, operated or utilized by Hillsborough County government.
 - Sixteen (16) sites identified.

Identification of Old Landfills

Inventories

- Environmental Protection Commission (Commission) Inventory
 - The Commission conducted an independent study of locations of known landfills and dumpsites.
 - Included active, closed and abandoned sites County-wide.
 - Included sites identified by the City of Tampa and by Hillsborough County in their respective inventories.
 - Included sites identified through Commission investigations and program activities.
 - Completed in April 1985.
 - Ninety-eight (98) sites identified.
- The List Grows
 - Since completion of the 1985 inventory, additional sites continue to be identified.
 - Current list includes 169 sites located throughout unincorporated Hillsborough County and its three (3) municipalities.

Regulation of Old Landfills

Inspection Program

- Chapter 1-7, Rules of the Environmental Protection Commission, requires that any project which includes development on or impacts to areas filled with solid waste or areas otherwise impacted by solid waste disposal obtain a permit (Director's Authorization) from the Commission.
- Implemented in 1991, the inspections performed help to ensure compliance with the provisions of Chapter 1-7, Rules of the Environmental Protection Commission.
- Sites are inspected on a bi-annual (twice per year) basis with primary focus being the condition of each site and current and/or planned use surrounding the sites and to ensure that no unauthorized development or site modifications have taken place or are impending.

Regulation of Old Landfills

Permitting Program

- Pursuant to Chapter 1-7, Rules of the Commission, Sec. 1-7.202(1)(c), the excavation of solid waste, the modification of a solid waste filled area or the construction of buildings, structures or facilities, utility lines or pipes, parking areas or paved surfaces on or through areas filled with solid waste or areas otherwise impacted by solid waste disposal shall require the specific written approval of the Executive Director (Director's Authorization).
- Director's Authorization process is a formal fee based permitting process.
 - Implemented in 1991.
 - Permitting requirements include:
 - Detailed site assessments;
 - Detailed geotechnical investigations;
 - Implementation of Engineering Controls on a site specific basis;
 - Implementation of Institutional Controls on a site specific basis.

Investigation and Tracking of Old Landfills

Investigation Program

- Newly implemented aspect of the Commission's program.
- The Program received the approval of the Board of County Commissioners in March 2005.
- Only approves the use of existing revenues.
- Program Goals
 - Goal 1: Prioritization of Old Landfill Inventory.
 - Site prioritization will be based on impacts or potential impacts to public health and safety.
 - Proximity to potable wells;
 - Proximity to residential use;
 - Waste types disposed;
 - Site specific conditions.

Investigation and Tracking of Old Landfills

Investigation Program

- Goal 1: Prioritization of Old Landfill Inventory, continued.
 - Site prioritization will be based on impacts or potential impacts to the environment. [Scoring matrix](#)
 - Waste types disposed;
 - Disposal technique used;
 - Proximity to surface water;
 - Proximity to groundwater.
- Goal 2: Completion of on site environmental investigations.
 - Detailed environmental assessments to be completed.
 - Soils;
 - Groundwater;
 - Landfill generated gas;
 - Surface water.
 - Highest priority sites will be selected for assessment.
- Goal 3: Creation of Old Landfill database. [Db1](#), [Db2](#), [Db3](#)
 - Populate with all available information and data pertaining to all 169 known sites.
 - Make available for in-house review by the public.

Investigation and Tracking of Old Landfills

Investigation Program

- Goal 4: Creation of Old Landfill GIS. [Map1](#), [Map2](#), [Map3](#), [Map4](#)
 - Include detailed county-wide mapping of all 169 known sites;
 - Include point and click link to Old Landfill database;
 - Provide for easy access via internet for public review;
 - Construct a system that will allow for easy access and use other governmental entities and that will include a programming framework that can be easily disseminated to and put into use by those entities.
- Goal 5: Attachment of Institutional Control to each property record where waste disposal is confirmed.
- Program Status (current activities).
 - Confirmation and correction of file information (80% complete);
 - Prioritization of inventory through application of mathematical matrix;
 - Document image all file information;
 - Initial dialogue with Legal staff as relates to the agency's authority to attach institutional controls to property records.

Investigation and Tracking of Old Landfills

Investigation Program

- Program Future.
 - Completion of activities is dependent upon funding.
 - \$200,000 USEPA Brownfields Assessment Grant application submitted.
 - Additional/other funding sources being sought.

